

FLEXX Eco Bogies

The Future is Already Available >

With almost 1,000 units in operation worldwide, the reliability and operational benefits of the *FLEXX* Eco have been proven. The excellent stability properties allow its use not only for commuter and regional applications but also for high speed. The *FLEXX* Eco bogie family is characterized by an extremely compact and low weight design: 30% reduction in total bogie mass and unsprung mass! In addition, the *FLEXX* Eco design also enables significant reductions in energy consumption and noise emission.

Characteristics

- Applications for commuter, long distance and high-speed trains
- Torsionally flexible frame
- Primary suspension with rubber metacone springs and traction rods
- · Lightweight inboard bearing wheelset
- Hollow axle with large diameter bore
- High comfort due to secondary suspension with airspring
- Additional air volume in the adapter
- Wheel mounted disc brakes
- Magnetic track brake as option

Technical data

Gauge 1,435 mmWheel base 2,250 to 2,500 mm

• Wheel diameter 780 mm

Maximum speed
 160 to 200 km/h

Mass (incl. speeks picet and)

 Mass (incl. centre pivot and interface bolster, without drive)

Axle load
Height over secondary suspension
13.6 to 15.5 t
900 to 960 mm

Brake disc diameter 645 mmPower 300 to 500 kW

4.0 to 4.6 t

• Length 3,100 to 3,300 mm

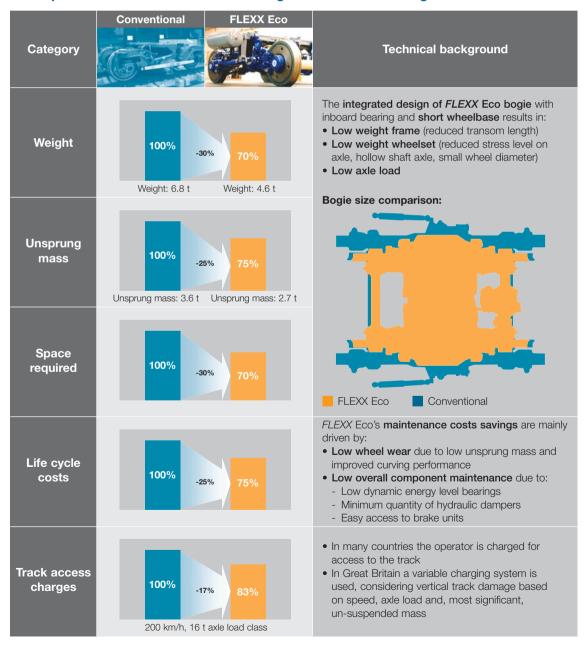








Your operational benefits - FLEXX Eco bogie vs conventional bogie



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